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Application Type: Utility

Examiner: Ton, Thaian N

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Title: Obtaining normal disomic stem cells from chromosomally abnormal embryos

**Pro Se Inventor's Reply to the Non Final Office Action of March 23, 2007**

Dear Examiner Thaian Ton,

As a pro se inventor, it is my understanding that if you find any patentable material you can write the claim for me. Please find my responses to your Non Final Office action of March 23, 2007.

**Claim Objections:**

1. A disomic cell line derived from trisomic embryos

Rewrite as

Claim 1) I claim a [[A]] disomic cell line derived from trisomic embryos.

I have added "I claim a" and deleted a capital "A" as you have suggested re: MPEP 608.01(m) and in your office action of 11/23/2005.

2. A stem cell line derived from said disomic cell lines of claim 1

Rewrite as

Claim 2) I claim a stem cell line derived from said disomic cell line of claim 1.

I have added "I claim a" and deleted a capital "A" as you have suggested re: MPEP 608.01(m) and in your office action of 11/23/2005.

I have added the word "cell" between "stem" and "line" as you have suggested in your office action of 3/23/2007.

3. A method of producing disomic cell lines consisting of the steps of: a) culturing trisomic embryos onto mouse feeder cells consisting of mouse embryonic fibroblast cells (ATCC-STO) said mouse embryonic fibroblast cells having been previously mitotically inactivated by mitocimin C in gelatin-tissue culture dishes. b) Maintaining said mouse feeder cells using Dulbecco's Modified Eagle Medium (DMEM) without sodium pyruvate, glucose 4500 mgL-1 supplemented with 20% fetal bovine serum, 0.1 mM - mercaptoethanol, 1% non-essential amino acids, 1 mM L-glutamine, 50 units ml L-1 penicillin. c) Supplementing said medium with human recombinant Leukemia Inhibitory